In the Claims

Kindly amend the claims as follows:

1. (currently amended)   A monitoring system for the detection of obstacles and persons comprising at least one video camera and an ~~at least one~~ escalator ~~and/or moving walk~~, characterized in that the monitoring system acquires stereoscopic images <u>and determines differences in a rectified stereo image pair</u>.

2. (currently amended)   The monitoring system according to claim 1, characterized in that the video cameras are located above the escalator ~~and/or moving walk~~.

3. (currently amended)   The monitoring system according to claim 1, characterized in that the video cameras are located in a balustrade of the escalator ~~and/or moving walk~~.

4. (currently amended)   The monitoring system according to claims 1, 2 or 3, characterized in that more than one pair of video cameras are arranged along the escalator ~~and/or moving walk~~ to monitor a full length of the escalator ~~and/or moving walk~~.

5. (currently amended)   <u>The</u> ~~M~~<u>m</u>onitoring system according to claims 1, 2 or 3, characterized in that, the monitoring system further comprises a processing unit for processing the stereoscopic images.

6. (original) The monitoring system according to claim 5, characterized in that, the monitoring system further comprises at least one of a means for linking the video cameras with the processing unit, in the form of a data exchange bus, and a means for storing the stereoscopic images.

7. (cancelled)

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8. (original) The monitoring system according to claim 5, characterized in that, the processing unit is integrated with at least one camera.

9. (currently amended)   The monitoring system according to claim 5, characterized in that, the monitoring system is connected electrically to a control for restarting the escalator ~~and/or moving walk~~ after a stop only when no obstacle ~~and/~~or person is detected on the escalator and/or moving walk.

10. (currently amended) A computer program product <u>stored in a processor</u> for the detection of obstacles and~~/or~~ persons on escalators ~~and/or moving walks~~, characterized in that the computer program product ~~loads in a~~ <u>and</u> processor ~~and~~ processes stereoscopic images of the escalator <u>and determines differences in a rectified stereo image pair</u> ~~and/or moving walk~~.

11. (currently amended)   The computer program product according to claim 10, characterized in that the computer program product includes means to restart the escalator ~~and/or moving walk~~ after a stop only when no obstacle ~~and/~~or person is detected on the escalator ~~and/or moving walk~~.

12. (currently amended)   A method for the detection of obstacles and persons on escalators and/or moving walks, comprising the steps of acquiring stereoscopic images of an escalator and/or moving walk by at least one video camera <u>,</u> ~~and~~ processing the images of a processing unit <u>, and determining differences in a rectified stereo image pair to detect an obstacle or person in the images.</u>

13. (currently amended)   The method according to claim <u>12</u> ~~11~~, further comprising the steps of restarting the escalator ~~and/or moving walk~~ automatically after a stop only when no obstacle ~~and/~~or person is detected on the escalator ~~and/or moving walk~~.